

CLAIMS

1. An electret condenser, comprising:

a first film including a first electrode;

a second film including a second electrode and an electret film;

5 a first insulating film formed between the first film and the second film; and

an air gap formed by removing part of the first insulating film,

wherein respective parts of the first film and the second film exposed in the air gap
are formed of a second insulating film.

10 2. The electret condenser of Claim 1,

wherein at least one of the first electrode and the second electrode has a through
hole communicating with the air gap.

3. The electret condenser of Claim 1,

15 wherein the second insulating film is an insulating film having tensile stress.

4. The electret condenser of Claim 1,

wherein the second insulating film is a silicon nitride film.

20 5. The electret condenser of Claim 1,

wherein the first insulating film is a lamination layer of a plurality of insulating
films made of the same material.

6. The electret condenser of Claim 1,

25 wherein the first film is a fixed film, and the second film is a vibrating film.